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performed on davits or their component parts and materials for the purpose of—

(i) Conducting inspections as necessary to determine that the prototype—

(A) Conforms with the plans reviewed under § 160.132-9 of this subpart;

(B) Is constructed by the methods and with the materials specified in the plans reviewed under § 160.132-9 of this subpart; and

(C) When welding is part of the construction process, is constructed by the welding procedure and materials as per the plans reviewed under § 160.132-9 of this subpart and the welders are appropriately qualified;

(ii) Assuring that the quality-assurance program of the manufacturer is satisfactory;

(iii) Witnessing tests; and

(iv) Taking samples of parts or materials for additional inspections or tests; and

(4) Make available to the Coast Guard inspector the affidavits or invoices from the suppliers of all essential materials used in the production of davits, together with records identifying the lot or serial numbers of the davits in which such materials were used.

(d) *Tests.* (1) *IMO Revised recommendation on testing.* Each prototype davit of each design must pass each of the tests described in IMO Revised recommendation on testing, part 1, paragraph 8.1 (incorporated by reference, see § 160.132-5 of this subpart) applicable to the design and service of the davit.

(2) *Visual inspection.* Each davit must be visually inspected to confirm—

(i) Compliance with this subpart;

(ii) Conformance with the examined plans; and

(iii) Ease of operation and maintenance.

(3) *Hydraulic controls.* If the davit design includes a fluid power and control system, a test of the hydraulic controls must be conducted in accordance with 46 CFR 58.30-35.

(e) *Test waiver.* The Commandant may waive certain tests for a davit similar in construction to a davit that has successfully completed the tests.

(f) At the request of the manufacturer and discretion of the Com-

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mandant, an independent laboratory may perform approval inspections and witness approval tests required by this section so long as the inspections and tests are performed and witnessed in accordance with the procedures agreed upon between the independent laboratory and Commandant under 46 CFR part 159, subpart 159.010.

(g) After completion of approval inspections and tests required by this section, the manufacturer must comply with the requirements of 46 CFR 159.005-9(a)(5) by preparing and submitting to the Commandant for review—

(1) The prototype approval test report containing the same information recommended by IMO MSC Circ. 980 (incorporated by reference, see § 160.132-5 of this subpart). The report must include a signed statement by the Coast Guard inspector (or independent laboratory as permitted by paragraph (f) of this section) who witnessed the testing, indicating that the report accurately describes the testing and its results; and

(2) The final version of the plans required under § 160.132-9 of this subpart in triplicate.

(h) The Commandant will review the report and plans submitted under paragraph (g) of this section, and if satisfactory to the Commandant, will approve the plans under 46 CFR 159.005-13.

§ 160.132-15 Production inspections, tests, quality control, and conformance of davits.

(a) Unless the Commandant directs otherwise, an independent laboratory must perform or witness, as appropriate, inspections, tests, and oversight required by this section. Production inspections and tests of davits must be carried out in accordance with the procedures for independent laboratory inspection in 46 CFR part 159, subpart 159.007 and in this section, unless the Commandant authorizes alternative tests and inspections. The Commandant may prescribe additional production tests and inspections necessary to maintain quality control and to monitor compliance with the requirements of this subpart.

(b) *Manufacturer's responsibility.* The manufacturer must—

(1) Institute a quality control procedure to ensure that all production davits are produced to the same standard, and in the same manner, as the prototype davit approved by the Commandant. The manufacturer's quality control personnel must not work directly under the department or person responsible for either production or sales;

(2) Schedule and coordinate with the independent laboratory (or Coast Guard inspector if required under paragraph (a) of this section), to ensure that all tests are performed as described in this section;

(3) Submit to the Commandant a yearly report that contains the following—

(i) Serial number and date of final assembly of each davit constructed;

(ii) The name of the representative of the independent laboratory (or Coast Guard inspector if required under paragraph (a) of this section); and

(iii) Name of the vessel and company receiving the davit, if known;

(4) Ensure that the arrangement and materials entering into the construction of the davit are in accordance with plans approved under §160.132–13(h) of this subpart;

(5) Allow an independent laboratory (or Coast Guard inspector if required under paragraph (a) of this section) access to any place where materials are stored for the davit, work or testing is performed on davits or their component parts and materials, or records are retained to meet the requirements of paragraph (c) of this section, below, for the purpose of—

(i) Assuring that the quality control program of the manufacturer is satisfactory;

(ii) Witnessing tests; or

(iii) Taking samples of parts or materials for additional inspections or tests; and

(6) Ensure that the independent laboratory (or Coast Guard inspector if required under paragraph (a) of this section) conducts the inspections and witnesses the tests required by paragraph (e) of this section, and further conducts a visual inspection to verify that the davits are being made in accordance with the plans approved under §160.132–

13(h) of this subpart and the requirements of this subpart.

(c) *Recordkeeping.* The manufacturer must maintain records in accordance with 46 CFR 159.007–13. The manufacturer must keep records of all items listed in this section for at least 5 years from the date of termination of approval of each davit. The records must include—

(1) A copy of this subpart, other CFR sections referenced in this subpart, and each document listed in §160.132–5 of this subpart;

(2) A copy of the approved plans, documentation, and certifications;

(3) A current certificate of approval for each approved davit;

(4) Affidavits, certificates, or invoices from the suppliers identifying all essential materials used in the production of approved davits, together with records identifying the serial numbers of davits in which such materials were used;

(5) Records of all structural welding and name of operator(s);

(6) Records of welder certificates, training, and qualifications;

(7) Date and results of calibration of test equipment and the name and address of the company or agency that performed the calibration;

(8) The serial number of each production davit, along with records of its inspections and tests carried out under this section; and

(9) The original purchaser of each davit and the vessel on which it was installed, if known.

(d) *Independent laboratory responsibility.* The independent laboratory must perform or witness, as appropriate, the inspections and tests under this section for each Coast Guard-approved davit to be installed on a U.S.-flagged vessel. If the manufacturer also produces davits for approval by other maritime safety administrations, the inspections may be coordinated with inspection visits for those administrations.

(e) *Production inspections and tests.* Each approved davit must be inspected and tested in accordance with the procedures in 46 CFR part 159, subpart 159.007 and the load test described in

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IMO Revised recommendation on testing, Part 2, paragraph 6.1.1 (incorporated by reference, see §160.132-5 of this subpart).

§ 160.132-17 Marking and labeling.

(a) Each davit must be marked with a plate or label permanently affixed in a conspicuous place readily for inspection and sufficiently durable to withstand continuous exposure to environmental conditions at sea for the life of the davit.

(b) The plate or label must be in English, but may also be in other languages.

(c) The plate or label must contain the—

(1) Name and address of the manufacturer;

(2) Manufacturer's model identification;

(3) Name of the independent laboratory that witnessed the prototype or production tests;

(4) Serial number of the davit;

(5) U.S. Coast Guard approval number;

(6) Month and year of manufacture;

(7) Safe working load of the davit; and

(8) Word "SOLAS".

§ 160.132-19 Operating instructions and information for the ship's training manual.

(a) Each davit must have instructions and information for the ship's training manual that use the symbols from IMO Res. A.760(18) (incorporated by reference, see §160.132-5 of this subpart) to describe the location and operation of the davit.

(b) The instructions and information required by paragraph (a) of this section may be combined with similar material for survival craft and rescue boats, and their complete launching systems.

(c) The davit manufacturer must make operating instructions and information required by paragraph (a) of this section available in English to the purchaser of a davit approved by the Coast Guard.

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§ 160.132-21 Operation and maintenance instructions.

(a) Each davit must have operation and maintenance instructions that—

(1) Follows the general format and content specified in IMO MSC.1 Circ. 1205 (incorporated by reference, see §160.132-5 of this subpart); and

(2) Includes a checklist for use in monthly, external visual inspections of the davit.

(b) The davit manufacturer must make the manual required by paragraph (a) of this section available in English to the purchaser of a davit approved by the Coast Guard.

(c) The operation and maintenance instructions required by paragraph (a) of this section may be combined with similar material for survival craft and rescue boats, and their complete launching systems.

§ 160.132-23 Procedure for approval of design or material change.

(a) Each change in design, material, or construction from the plans approved under 46 CFR 159.005-13 and §160.132-13(h) of this subpart must be approved by the Commandant before being used in any production davit. The manufacturer must submit any such change following the procedures in §160.132-9 of this subpart, but documentation on items that are unchanged from the plans approved under 46 CFR 159.005-13 and §160.115-13(h) of this subpart need not be resubmitted.

(b) Unless determined by the Commandant to be unnecessary, a prototype davit with each change described in paragraph (a) of this section must be made and tested according to the procedures for new approvals in §§160.132-9 through 160.132-13 of this subpart.

(c) Determinations of equivalence of design, construction, and materials will be made by the Commandant only.

Subpart 160.133—Release Mechanisms for Lifeboats and Rescue Boats

SOURCE: USCG-2010-0048, 76 FR 62983, Oct. 11, 2011, unless otherwise noted.